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Abstract for an Invited Paper
for the APR18 Meeting of
the American Physical Society

Public Lecture: Exploring the Universe with Gravitational Waves

RAINIER WEISS, Massachusetts Institute of Technology

Join 2017 Nobel Prize Winner, Rainer Weiss, for an illuminating lecture that will explore the basic concepts of gravitational waves, the instruments and methods used for data analysis, and recent results in the field. Although its impossible to predict the full, long-term impact of the new observatories, you will leave with a vision for the future of gravitational wave astrophysics and astronomy.